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BOULEVARD NURSERIES

ESAU KEMPENAAR

CHARLES R. KEMPENAAR

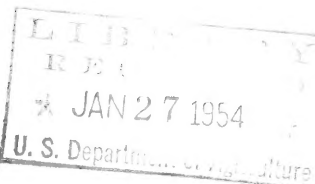
ROBERT KEMPENAAR



ESTABLISHED 1910

TELEPHONE 1263

NEWPORT, R.I.



275 ACRES OF CHOICE NURSERY
STOCK
ROOTS THRU POTS

RHODE ISLAND GROWN, BEST BY TEST

WHOLESALE
MEMBER OF AAN
LINING OUT STOCK

SHRUBS, ROSES and VINES

DECIDUOUS, EVERGREEN TREES

and LINING OUT STOCK

Alphabetical List

	10 (ea)	100 (ea)
<u>ABIES</u> <u>cephalonica</u> , 60'		GREEK FIR
10 to 12 ft.	28.00	
12 to 15 ft.	30.00	
<u>ALTHEA</u> , selected varieties, grafts, 10 to 12'		ROSE OF SHARON
—Coelestis, single blue		
—W. R. Smith, single white		
18 to 24 in. BR, 2 yr. field .....	.45	.40
B&B	1.00	.90
2 to 2½ ft. BR .....	.60	.50
B&B	1.25	1.00
<u>AMPELOPSIS</u> <u>tricuspidata</u> (Veitchi) 50'		BOSTON IVY
2 yr. #1, 7 in. pots .....	.75	.65
BR .....	.35	.30
<u>ARISTOLOCHIA</u> <u>sipho</u> , 30'		DUTCHMAN'S PIPE
2 yr. No. 1, 7 in. pots	1.50	1.40
<u>AZALEA</u> , <u>amoena</u> (evergreen) 4'		AMOENA AZALEA
9 to 12 in.	1.75	1.60
12 to 15 in.	2.50	2.25
— <u>hinodegiri</u> (evergreen) 5'		HINODEGIRI AZALEA
9 to 12 in.	1.75	1.60
12 to 15 in.	2.50	2.25
— <u>kaempferi</u> , 5'		TORCH AZALEA
9 to 12 in.	1.75	1.60
12 to 15 in.	2.50	2.25

	10	100
	(ea)	(ea)
<u>BERBERIS thunbergi atropurpurea</u> , 5'	RED BARBERRY	
12 to 15 in. ....	.30	.25
<u>BLUEBERRIES</u> (Hybrid)		
↓ Jersey & Stanley		
18 to 24 in. 7 in. pots	1.50	1.25
<u>CALLICARPA japonica</u>	JAPANESE BEAUTYBUSH	
2 to 3 ft. BR. ....	.50	.45
B&B	1.10	1.00
<u>CHAMAECYPARIS obtusa acuta</u> , 25'	ACUTELEAF CYPRESS	
6 to 7 ft.	18.00	
7 to 8 ft.	22.00	
8 to 10 ft.	27.50	
--p. plumosa, 35'	PLUME RETINOSPORA	
15 to 18 in.	1.50	1.25
18 to 24 in.	1.75	1.50
--p. plumosa aurea, 25'	GOLDENPLUME RETINOSPORA	
12 to 15 in.	1.50	1.25
15 to 18 in.	1.75	1.50
6 to 7 ft.	14.00	
10 to 12 ft.	22.00	
12 to 15 ft.	30.00	
<u>CIEMATIS jackmani</u> , 25'		
2 yr. field, No. 1, 7 in. pots	1.50	1.45
--paniculata, 25'	SWEET AUTUMN CIEMATIS	
2 yr. field, No. 1, 7 in. pots .....	.75	.65
<u>CORNUS florida rubra</u>	RED FLOWERING DOGWOOD	
3 to 4 ft.	5.00	4.75
--kousa	KOUSA DOGWOOD	
3 to 4 ft.	3.75	3.50
<u>CRYPTOMERIA japonica lobbi</u> , compacta, 20' narrow	LOBB CRYPTOMERIA	
12 to 15 ft. sheared	40.00	
18 to 22 ft. specimen	90.00	
22 to 25 ft. specimen	120.00	

THE UNIVERSITY OF CHICAGO
DIVISION OF THE PHYSICAL SCIENCES
DEPARTMENT OF PHYSICS

PHYSICS 311
LECTURE 10
MAY 19, 1964

THEORY OF THE ATOM
Schrödinger equation for the hydrogen atom
Wave function and probability density

Angular momentum and magnetic moment
Spin and the Pauli exclusion principle
Fine structure of the hydrogen spectrum

Atomic spectra and transitions
Selection rules for electric dipole transitions
Spontaneous emission and absorption

Hydrogen atom wave functions
Radial wave functions and probability distributions
Expectation values of physical quantities

Many-electron atoms
Central field approximation
Hartree-Fock method

Periodic table of elements
Atomic structure and chemical properties
Ionization energy and electron affinity

Atomic transitions and spectra
Spectral lines and their intensities
Stark and Zeeman effects

Atomic structure and quantum mechanics
Wave functions and probability distributions
Expectation values and uncertainty principle

	10 (ea)	100 (ea)
<u>CYDONIA japonica</u> , 5'		FLOWERING QUINCE
9 to 12 in. BR.....	.25	.20
12 to 15 in. BR .....	.30	.25

	ROSE DAPHNE
<u>DAPHNE cneorum</u>	
9 to 12 in., 7 in. pots	1.75 1.65

	EUROPEAN BEECH
<u>FAGUS sylvatica</u> , 100'	
15 to 18 ft. 5-6 in. cal. B&B	50.00
18 to 20 ft. 6-7 in. cal. B&B	60.00
20 to 22 ft. 7-8 in. cal. B&B	75.00

FRUIT TREES, etc.

APPLE, standard, 2 yr. 11/16 in.	Each	.90
↳ Baldwin	↳ Early McIntosh	
↳ Delicious Red	↳ Jonathan	
↳ Delicious Yellow	↳ McIntosh Red	
↳ APPLE, dwarf, 2 yr. 5/8 in.	Each	1.85
Delicious Red		
McIntosh Red		
CHERRY, standard, sweet, 2 yr. 11/16 in.	Each	1.50
↳ Black Tartarian		
↳ Windsor		
PEACH trees, standard, 2 yr. 11/16 in.	Each	1.00
↳ Elberta	↳ J. H. Hale	
↳ Red Haven	↳ Peaches White Flesh	
PEAR, standard, 2 yr. 11/16 in.	Each	1.25
↳ Bartlett		
↳ Beurre Bosc		
↳ PEAR, dwarf, 2 yr. 11/16 in.	Each	1.80
Bartlett		

	ENGLISH IVY
<u>HEDERA helix</u> , 50'	
3 in. pots .....	.30 .25
--baltica, 25'	HARDY ENGLISH IVY
3 in. pots .....	.30 .25

	PEGEE HYDRANGEA
<u>HYDRANGEA paniculata grandiflora</u> , 9'	
2 to 3 ft. BR .....	.60 .50
B&B	1.25 1.00
--hortensis	FRENCH BLUE HYDRANGEA
4 yr. heavy, B&B	1.60 1.50

	10	100
	(ea)	(ea)
<u>JUNIPERUS</u> hetzi	HETZI JUNIPER	
15 to 18 in.	2.25	2.00
18 to 24 in.	2.75	2.50
--pfitzeriana, 8'	PFITZER JUNIPER	
15 to 18 in.	2.25	2.00
<u>KAIMIA</u> latifolia (collected) 10'	MOUNTAIN LAUREL	
18 to 24 in.	2.25	2.00
2 to 2½ ft.	2.75	2.50
<u>KOLKOWITZIA</u> amabilis, 8'	BEAUTYBUSH	
2 to 3 ft. BR. ....	.60	.50
B&B.	1.20	1.10
<u>LEUCOTHOE</u> catesbaei	DROOPING LEUCOTHOE	
2 to 3 ft. B&B.	3.75	3.50
<u>LIGUSTRUM</u> , ovalifolium, 15'	CALIFORNIA PRIVET	
18 to 24 in. ....	.06	.05
2 to 3 ft. ....	.15	.12
3 to 4 ft. ....	.18	.15
3 to 4 ft., extra heavy. ....	.20	.18
--ibolium	IBOLIUM PRIVET	
18 to 24 in. ....	.09	.08
3 to 4 ft. ....	.19	.18
<u>LONICERA</u> zabelli, 10'	RED HONEYSUCKLE	
2 to 3 ft. BR. ....	.70	.60
3 to 4 ft. BR. ....	.85	.75
<u>MAGNOLIA</u> soulangeana, 20'	SAUCER MAGNOLIA	
3 to 4 ft.	5.00	4.75
--soul. nigra, 12'	PURPLE LILY MAGNOLIA	
3 to 4 ft.	5.00	4.75
<u>PACHYSANDRA</u> terminalis, 8"	JAPANESE SPURGE	
2 yr. field grown. ....	.095	.085

	10	100
	(ea)	(ea)
<u>PAEONIA</u>		Peonies

--Off. Rubra Plena, red
 3 to 5 eyes, 7 in. pots 1.10 1.00

<u>PHILADELPHUS</u> coronarius	SWEET MOCKORANGE	
3 to 4 ft. BR .....	.55	.50
B&B	1.25	1.10

--enchantment
 2 to 3 ft. BR55 | .50 || B&B | 1.25 | 1.10 |

--virginialis, 8'
 2 to 3 ft. BR55 | .50 || B&B | 1.25 | 1.10 |

VIRGINAL MOCKORANGE

<u>PICEA</u> alcockiana, 100'	ALCOCKIANA SPRUCE	
7 to 8 ft.	15.00	
8 to 10 ft.	20.00	

<u>PINUS</u> THUNBERGI	BLACK PINE	
18 to 24 in.	2.25	2.00
2 to 2½ ft.	2.75	2.50

<u>POLYGONUM</u> auberti, 25'	SILVERLACE-FLEECEVINE	
2 yr. No. 1, 7 in. pots	1.25	1.00

POTS -- See Page -6-

<u>PRUNUS</u> serrulata fugenzo (veitchi) shrub form, 30'	JAPANESE FLOWERING CHERRY	
10 to 12 ft. B&B Specimen	30.00	
15 to 18 ft. B&B Specimen--12 ft. spread	135.00	

--serrulata fugenzo (veitchi) tree form, 30'
 12 to 15 ft., 4 to 5 in. cal. B&B Specimen 45.00

<u>QUERCUS</u> palustris, 90'	PIN OAK	
5 to 6 in. cal. 16 to 18 ft. B&B	60.00	
6 to 7 in. cal. 16 to 18 ft. B&B	75.00	
7 to 8 in. cal. 16 to 18 ft. B&B	90.00	

We are the manufacturers of

"ROOTS THRU PLANT POTS"

with reinforced rolled edge

No longer necessary to remove pots
before planting, thus minimizing
replacements. Instructions on each pot.

Suitable for Potting Roses, Shrubs, Bulbs,
Perennials, and many other items for late
planting in full flower. Longer selling season.

ROSE POT

Top Diameter 7 in.
Height 9 in.
Bottom 5 in.

(200 per carton)

Per 100 \$ 6.00
Per 1000 50.00

Weight, 25 lbs. per
100 pots

Bottom Flaps Folded

PERENNIAL POT

Top Diameter 6½ in.
Height 6 in.
Bottom 5 in.

(200 per carton)

Per 100 \$ 5.00
Per 1000 40.00

Weight, 20 lbs. per
100 pots

Samples on Request

ROOTS-THRU POTS

Plant Pots in Ground

When placing pots on top of ground, leave a
hole around each pot.

(Roses, Shrubs, vines, bulbs and perennials
listed in our catalog are in 7-inch

ROOTS-THRU PLANT POTS

	10 (ea)	100 (ea)
<u>RHODODENDRON carolinianum</u> , 6'		
13 to 24 in. B&B	4.00	3.75
---catawbiense		
12 to 18 in. B&B	3.50	3.25
---maximum (collected specimen stock) 10'		
2 to 3 ft. B&B	3.75	3.50
3 to 4 ft. B&B	5.00	4.50
4 to 5 ft. B&B	6.50	6.00
5 to 6 ft. B&B	9.00	
6 to 7 ft. B&B	14.00	
7 to 8 ft. B&B	16.00	
<u>ROSES</u> , 2 yr. field grown--all in 7 in. "Roots-Thru Pots" (Ask for separate listing)		
<u>SPIREA vanhouttei</u> , 9'		
2 to 3 ft. BR .....	.40	.35
B&B	1.15	1.00
<u>TAXUS</u> , media Hatfieldi, 10'		
13 to 24 in.	2.75	2.50
13 to 24 in. heavy	3.25	3.00
---m. Hicksi, 25'		
18 to 24 in.	2.75	2.50
---m. Microphylla, 25'		
18 to 24 in.	2.75	2.50
<u>THUJA occidentalis Nigra</u> , 30'		
13 to 24 in.	1.75	1.50
2 to 3 ft.	2.25	2.00
---o. Pyramidalis, 30'		
13 to 24 in.	1.75	1.50
2 to 3 ft.	2.25	2.00
3 to 4 ft.	3.00	2.75
---o. Woodwardi (Globes)		
15 to 18 in.	1.75	1.50

BIOTA or CHINESE ARBORVITAE

10
(ea) 3.00
(ea)

THUJA orientalis aurea nana

BERCKMAN'S GOLDEN ARBORVITAE

12 to 15 in.	1.50	1.25
15 to 18 in.	1.75	1.50

--Bonita

BONITA ARBORVITAE

18 to 24 in.	1.50
2 to 2½ ft.	2.00

--cr. Elegantissima, 8'

YELLOW COLUMN ARBORVITAE

15 to 18 in.	1.75	1.50
18 to 24 in.	2.00	1.75
6 to 8 ft. specimen	25.00	

TILIA cordata, 70'

LITTLELEAF EUROPEAN LINDEN

5 to 6 in. cal. 10 to 12 ft. B&B	60.00
6 to 7 in. cal. 10 to 12 ft. B&B	75.00
7 to 8 in. cal. 12 to 14 ft. B&B	100.00
8 to 9 in. cal. 14 to 16 ft. B&B	120.00

--Vulgaris, 90'

EUROPEAN LINDEN

6 to 7 in. cal. 12 to 14 ft. B&B	75.00
7 to 8 in. cal. 14 to 16 ft. B&B	100.00
8 to 10 in. cal. 14 to 16 ft. B&B	135.00

ULMUS americana, 100'

AMERICAN ELM

5 to 6 in. cal. 16 to 18 ft. B&B	60.00
6 to 7 in. cal. 18 to 22 ft. B&B	75.00
7 to 8 in. cal. 18 to 22 ft. B&B	100.00
8 to 10 in. cal. 22 to 25 ft. B&B	135.00

VINCA minor, 6-8

PERIWINKLE or MYRTLE

3 in. pots18	.15
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